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Arai et al.

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[54]	ARRAY TYPE STORAGE UNIT SYSTEM
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[58]	Field of Search

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[57] ABSTRACT

A storage unit system includes a control apparatus having a unit for reading memory data from a plurality of storage units before increase into a memory of the control apparatus, a preparing unit for preparing parity data newly from the memory data read in the memory, a rearrangement unit for dispersing transfer data from a processor read in the memory and the newly prepared parity data to be written into a plurality of storage units after the increase to perform arrangement of data, a memory unit for storing a write position on the way of the rearrangement of data, a comparison unit for comparing an access position for an access request from the processor with the write position, and a determining unit for determining a data dispersed pattern used in a data access from the processor on the basis of a comparison result of the comparison unit, whereby the storage unit can be increased individually with a unit of one storage unit and dynamically without stop of the system.

6 Claims, 6 Drawing Sheets

